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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/724,563	
	Filing Date	November 26, 2003	
	First Named Inventor	Charles E. Seeney	
	Art Unit	1772	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	5	Attorney Docket Number	089701-00002

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Firm or Individual	Lawrence F. Grable, Esq. McKinney & Stringer, P.C. 101 North Robinson, Suite 1300 Oklahoma City, Oklahoma 73102
Signature	
Date	July 8, 2004

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Substitute for form 1449/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/724,563	
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			Examiner Name	Not Yet Assigned	
Attorney Docket Number	089701-00002				
Sheet	1	of	4		

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Classification
		Number - Kind Code ² (if known)			
	AA	US-4,356,029	10/26/1982	Down et al.	75/0.5
	AB	US-4,376,740	03/15/1983	Uda et al.	264/10
	AC	US-4,501,726	02/26/1985	Schroder et al.	424/1.1
	AD	US-4,652,257	03/24/1987	Chang	604/52
	AE	US-4,687,511	08/18/1987	Paliwal et al.	75/0.5
	AF	US-4,690,130	09/01/1987	Mirell	128/1.3
	AG	US-5,069,936	12/03/1991	Yen	427/213.33
	AH	US-5,349,957	09/27/1994	Yudelston	128/653
	AI	US-5,427,767	06/27/1995	Kresse et al.	424/9.32
	AJ	US-5,549,915	08/27/1996	Volkonsky et al.	424/490
	AK	US-5,578,325	11/26/1996	Domb et al.	424/501
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	AM	US-5,695,901	12/09/1997	Selim	430/106.2
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	AY	US-6,207,195 B1	03/27/2001	Walsh, et al.	424/489
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	BA	US-6,436,028 B1	08/20/2002	Dormer	600/25
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	BC	US-6,482,436 B1	11/19/2002	Volkonsky et al.	424/489
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	BF	US-2002/0053557 A1	05/09/2002	Peterson et al.	219/121.43
	BG	US-2002/0086842 A1	07/04/2002	Plank et al.	514/44
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	BJ	US-RE37,853 E	09/24/2002	Detering et al.	75/10.19

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			Art Unit	1772	
			Examiner Name	Not Yet Assigned	
Sheet	2	of	4	Attorney Docket Number	089701-00002

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Classification	T ⁶
		Country Code ³ - Number ⁴ -Kind Code ⁵ (if known)					

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	BK	RENE MASSART, "Preparation of Aqueous Magnetic Liquids in Alkaline and Acidic Media", article, IEEE Transactions On Magnetics, March 1981, pp. 1247-1248, Vol. Mag-17, No. 2.	
	BL	YONG ZHANG, NATHAN KOHLER, MIQIN ZHANG, "Surface modification of superparamagnetic magnetite nanoparticles and their intracellular uptake", article, August 8, 2001, Department of Materials Science & Engineering, pp. 1553-1561	
	BM	JAYANTH PANYAM, WEN-ZHONG ZHOU, SWAYAM PRABHA, SANJEEB K. SAHOO, AND VINOD LABHASETWAR, "Rapid endo-lysosomal escape of poly(DL-lactide-co-glycolide) nanoparticles: implications for drug and gene delivery", article, April 18, 2002, Department of Pharmaceutical Sciences, Vol. 16, pp. 1217-1226.	
	BN	SWAYAM PRABHA, WEN-ZHONG ZHOU, JAYANTH PANYAM, VINOD LABHASETWAR, "Size-dependency of nanoparticle-mediated gene transfection: studies with fractionated nanoparticles", article, June 6, 2002, International Journal of Pharmaceutics, Vol. 244, pp. 105-115.	
	BO	CHANTAL A. LACKEY, OLIVER W. PRESS, ALLAN S. HOFFMAN, AND PATRICK S. STAYTON, "A Biomimetic pH-Responsive Polymer Directs Endosomal Release and Intracellular Delivery of an Endocytosed Antibody Complex", article, July 25, 2002, Bio. Chem., Vol. 13, No. 5, pp.996-1001.	
	BP	C. WILHELM, C. BILLOTEY, J. ROGER, J.N. PONS, J.-C. BACRI, F. GAZEAU, "Intracellular uptake of anionic superparamagnetic nanoparticles as a function of their surface coating", article, September 9, 2002, Biomaterials Vol. 24, pp. 1001-1011.	
	BQ	JAYANTH PANYAM, VINOD LABHASETWAR, "Biodegradable nanoparticles for drug and gene delivery to cells and tissue", article, September 16, 2002, Department of Pharmaceutical Sciences, pp. 329-347.	

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- 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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	BR	Electronic Publication by BUSINESS COMMUNICATIONS COMPANY, INC., "Nanoparticle News", October 2002.	
	BS	NIREN MURTHY, JEAN CAMPBELL, NELSON FAUSTO, ALLAN S. HOFFMAN, AND PATRICK S. STAYTON, "Bioinspired pH-Responsive Polymers for the Intracellular Delivery of Biomolecular Drugs", article, January 15, 2003, Department of Bioengineering and Department of Pathology, Vol. 14, pp. 412-419.	
	BT	JUNGHAE SUH, DENIS WIRTZ, AND JUSTIN HANES, "Efficient active transport of gene nanocarriers to the cell nucleus", article, April 1, 2003, Departments of Biomedical Engineering, Chemical and Biomolecular Engineering, and Materials Science and Engineering, Molecular Biophysics Program, The Johns Hopkins University, Baltimore, Maryland	
	BU	CHRISTIAN PLANK, ULRIKE SCHILLINGER, FRANZ SCHERER, CHRISTIAN BERGEMANN, JEAN-SERGE REMY, FLORIAN KROTZ, MARTINA ANTON, JIM LAUSIER and JOSEPH ROSENECKER, "The Magnetofection method: Using Magnetic Force to Enhance Gene Delivery", Journal, May 2003, Vol. 384, pp. 737-747.	
	BV	GE LIU, DESHAN LI, MURALI K. PASUMARTHY, TOMASZ H. KOWALCZYK, CHRISTOPHER R. GEDEON, SUSANNAH L. HYATT, JENNIFER M. PAYNE, TIMOTHY J. MILLER, PETER BRUNOVSKIS, TAMARA L. FINK, OSMAN MUHAMMAD, ROBERT C. MOEN, RICHARD W. HANSON, AND MARK J. COOPER, "Nanoparticles of Compacted DNA Transfect Postmitotic Cells", Journal, June 14, 2003, Vol. 278, No. 35, pp. 32578-32586.	
	BW	A. PANKHURST, J. CONNOLLY, S.K. JONES and J. DOBSON, "Applications of magnetic nanoparticles in biomedicine", Journal of Physics D: Applied Physics, June 18, 2003, pp. R167-R181.	
	BX	PEDRO TARTAJ, MARIA DEL PUERTO MORALES, SABINO VEINTEMILLAS-VERDAGUER, TERESITA GONZALEZ-CARRENO and CARLOS J. SERNA, "The preparation of magnetic nanoparticles for applications in biomedicine", Journal of Physics D: Applied Physics, June 18, 2003, pp. R182-R197.	
	BY	CATHERINE C. BERRY and ADAM S.G. CURTIS, "Functionalisation of magnetic nanoparticles for applications in biomedicine", Journal of Physics D: Applied Physics, June 18, 2003, pp. R198-R206.	
	BZ	X.X. HE, K.M. WANG, W.H. TAN, X. LIN, L. CHEN AND X.H. CHEN, "A Novel Method For Efficient Gene Delivery Using Amino-Modified Silica Coated Magnetic Nanoparticles", article, July 27, 2003, State Key Laboratory of Chemo/Biosensing and Chemometrics, College of Chemistry & Chemical Engineering, Institute of Biological Science and Biological Technology, Hunan University, P.R. China, pp. 375-380.	

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
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	CA	FADEE MONDALEK, "Concerns Regarding the Permeability of the Round Window Membrane (RWM) to Magnetite Nanoparticles Attached to a Drug/Gene", article, October 28, 2003, OU Health Sciences Center, Oklahoma City, Oklahoma		
	CB	JOSEPH F. BRINGLEY and NANCY B. LIEBERT, "Controlled Chemical and Drug Delivery via the Internal and External Surfaces of Layered Compounds", Journal Of Dispersion Science and Technology, 2003, Vol. 24, Nos. 3 & 4, pp. 589-605, Imaging Materials & Media, R&D, Eastman Kodak Company.		
	CC	RACHEL A. JONES, CHARLES Y. CHEUNG, FIONA E. BLACK, JASMINE K. ZIA, PATRICK S. STAYTON, ALLAN S. HOFFMAN, AND MARK R. WILSON, "Poly(2-alkylacrylic acid) polymers deliver molecules to the cytosol by pH-sensitive disruption of endosomal vesicles", Journal, 2003, Vol. 372, pp. 65-75.		
	CD	N. BUSKE, C. GANSAU, T. RHEINLANDER and B. KROLL, "Magnetic Sizing of Magnetic Nanoparticles", Mediport Kardiotechnik GmbH.		
	CE	BIOELECTROMAGNETICS SOCIETY (BEMS) "Magnets Help Target Gene Therapy" Press Release, No date.		

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